Bloodborne Pathogens: *Plasmodium* and *Babesia*

Registration

(510-005-06)

Space is limited, register early!

Registration deadline: **March 10, 2006**

Registration fee: **$160.00**

- Register for the program online: http://www.nltn.org/courses. To register click on the title of the program from the list and follow the directions. If you *have difficulty with the online registration process, please contact the NLTN Chicago Office by e-mail at mwoffice@nltn.org*.
- After the successful completion of your registration, a confirmation letter will be sent by e-mail.
- Refunds will be issued for cancellations received in writing before February 24, 2006.

Special Needs Information

In compliance with the Americans with Disabilities Act (ADA), individuals requiring special accommodations should notify the NLTN office at least two weeks prior to the program by phone 312-793-3306 or e-mail mwoffice@nltn.org.

Sponsors

TEXAS Department of State Health Services

1100 West 49th Street
Austin, TX 78756
Jim Harris, State Training Coordinator
Ph: 512-458-7566

NATIONAL LABORATORY TRAINING NETWORK

National Laboratory Training Network

A training system sponsored by the Association of Public Health Laboratories (APHL) and the Centers for Disease Control and Prevention (CDC).

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Bloodborne Pathogens:

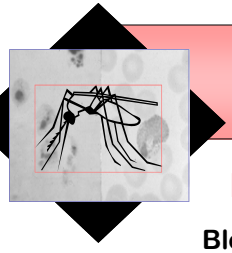
Plasmodium and *Babesia*

March 28-29, 2006

Austin, TX

Sponsored by

Texas Department of State Health Services
and
National Laboratory Training Network



Bloodborne Pathogens: *Plasmodium* and *Babesia*

Description

Bloodborne parasites represent a potential public health threat, as healthy individuals are at constant risk of acquiring infections. The nation's blood supply is at risk since screening protocols may not identify infected individuals. During this intermediate-level workshop, faculty will instruct participants on how to identify the following bloodborne parasites: *Plasmodium* species and *Babesia* species. This course will include instruction on morphology, serology and molecular techniques used to detect and identify these organisms. Don't miss this opportunity to refresh your parasitology skills and learn new protocols from the experts.

Who Should Attend

This program is designed for laboratorians with some experience in bloodborne pathogen identification.

Continuing Education Credit

Continuing education credits will be provided.

Location

Texas Department of State Health Services
Austin, Texas.
More location details will be provided in your confirmation letter.

Agenda

March 28, 2006
8:30 a.m. - 4:15 p.m.

8:00	Registration
8:30	Pretest
9:15	Introduction to *Plasmodium* & *Babesia* species Artifacts
10:15	Break
10:30	Making Thick & Thin Blood Smears Giemsa Staining Procedure
12:00	Lunch
1:00	Lecture/Lab – *P. falciparum*
2:00	Lecture/Lab – *P. vivax*
3:00	Break
3:15	Lecture/Lab – *P. ovale*
4:15	Adjourn

March 29, 2006
8:00 a.m. - 4:00 p.m.

8:00	Review of Bloodborne Pathogens
8:30	Lecture/Lab – *P. malariae*
9:30	Break
9:45	Lecture/Lab – *Babesia* species
10:45	Interesting Bloodborne Cases
11:30	Lunch
12:30	Posttest
2:00	Break
2:15	DPDx
2:45	Serology
3:15	Molecular Techniques
3:45	Evaluation
4:00	Adjourn

For Additional Information

Contact the National Laboratory Training Network at: 312-793-3306 or
by e-mail at: mwoffice@nltn.org.

Faculty

Henry Bishop
Stephanie Johnston, MS
Mr. Bishop and Ms. Johnston are microbiologists at the Division of Parasitic Diseases, National Center for Infectious Diseases, Centers for Disease Control and Prevention in Atlanta, GA.

Katherine von Alt, M(ASCP)
Ms. von Alt is the Team Leader for Medical Parasitology at the Texas Department of Health Services in Austin, TX.

Objectives

Upon completion of the workshop, participants will be able to:

- Outline life cycles and morphological features of *Plasmodium* species and *Babesia* species.
- Describe the preparation and staining of thin and thick blood smears for the identification of *Plasmodium* species and *Babesia* species.
- Detect and identify *Plasmodium* species and *Babesia* species in Giemsa-stained smears.
- Outline the usefulness of serological and molecular tests for the diagnosis of infections caused by *Plasmodium* species and *Babesia* species.
- Interpret results generated from morphological, serological and molecular testing.
- Describe how morphological, serological and molecular techniques can be used to investigate transfusion-related cases.